

ABSTRACT

A coupling to connect pipe, including lengths of pipe, valves, hoses, and pipe and hose fittings, includes a body to closely receive the end portion of the pipe to be coupled. The coupling may include a set of first class lever jaw members each having a power arm and a weight arm mounted to the coupling body to establish a fulcrum for rotation of each lever jaw member about the fulcrum between an engaged position and a disengaged position with respect to the pipe end portion when received in the coupling body. Additionally or alternately, the coupling may include jaw members adapted to slide along an inner end taper in the coupling body so that linear movement of the jaw members toward the end of the inner end taper adjacent an end of the coupling body causes movement of the jaw members radially inwardly of the coupling body against the end portion of the pipe when received in the coupling body

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